

CURRICULUM VITAE
Stella Villegas Amtmann
April 2019

Personal Information

Citizenship Mexican/authorized to work in the US
Work Address Coastal Biology Building, 130 McAllister Way, Santa Cruz, CA, 95060, USA
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svillega@ucsc.edu
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Academic Formation/Professional Appointments

Research Associate Ecology and Evolutionary Biology University of California Santa Cruz, Santa Cruz, California, USA	2019-present
Lecturer Molecular, Cell and Developmental Biology University of California Santa Cruz, Santa Cruz, California, USA	2018-present
Adjunct faculty Biology Department, Natural and Applied Sciences Division Cabrillo College	2018-present
Assistant Project Scientist Ecology and Evolutionary Biology University of California Santa Cruz, Santa Cruz, California, USA Advisor: Daniel P. Costa	2016-2019
Postdoctoral Researcher Ecology and Evolutionary Biology University of California Santa Cruz, Santa Cruz, California, USA Advisor: Daniel P. Costa	2013 - 2016
Postdoctoral Researcher Animal Behavior Bielefeld University, Bielefeld, Germany Advisor: Fritz Trillmich	2010–2012

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PhD in Ecology and Evolutionary Biology 2003–2009

University of California Santa Cruz, Santa Cruz, California, USA

Advisor: Daniel P. Costa

Thesis: “Seasonal variation in the physiological ecology of Galapagos (*Zalophus wollebaeki*) and California sea lions (*Zalophus californianus*)”

B.S in Biology 1995–2000

Universidad Nacional Autónoma de México (UNAM), México D.F, México

Advisor: Virgilio Arenas Rosas

Thesis: “Alimentación del lobo marino de California *Zalophus californianus*, en isla Magdalena, BCS, a partir de restos duros en copros”

Research projects

Conservation and protection of Guadalupe Island pinnipeds and the identification of the major threats to their population in relation to its reproduction, recruitment and foraging behavior 2018-present
Co-PI: Dr. Gallo, CIAD, Guaymas, Sonora, Mexico.

Deep search hunting vs. deep arrival and departure: Predator-prey strategies of white sharks (*Carcharodon carcharias*) and northern elephant seals (*Mirounga angustirostris*) at Isla Guadalupe, Mexico. 2016 -present
Co-PI: Dr. Costa, UCSC Santa Cruz, CA, USA; Dr. Gallo, CIAD, Guaymas, Sonora, Mexico.

Humpback and blue whale bioenergetics model to assess population consequences of disturbance. 2015 -2017
Co-PI: Dr. Costa and Dr. Schwarz, UCSC, Santa Cruz, CA, USA.

Gray whale bioenergetics model to asses population consequences of disturbance. 2013-2015
Co-PI: Dr. Costa and Dr. Schwarz, UCSC, Santa Cruz, CA, USA.

Identifying foraging areas and trophic niche of Galapagos sea lions at San Cristóbal Island with the use of GPS tags, time-depth recorders, accelerometers and isotope analysis. 2012
Co-PI: Dr. Paez-Rosas, Parque Nacional Galápagos, Islas Galápagos, Ecuador; Dr. Costa, UCSC, Santa Cruz, CA, USA; Dr. Arnould, Deakin University, Australia.

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Diving behavior, metabolic rate and foraging energetic cost of the Galapagos sea lion at San Cristóbal Island. Co-PI: Dr. Costa, UCSC, Santa Cruz, CA, USA; Dr. Aurioles-Gamboa CICIMAR, La Paz, México; Dr. Paez Rosas, Parque Nacional Galápagos, Islas Galápagos, Ecuador.	2009-2011
Galapagos sea lion and fur seal diving behavior at Fernandina Island. Co-PI: Dr. Trillmich, Bielefeld University, Bielefeld, Germany; Dr. Costa, UCSC, Santa Cruz, CA, USA.	2009
Galapagos and California sea lion trophic niche based on the isotopic signatures in blood. Co-PI: Dr. Costa, UCSC, Santa Cruz, CA, USA.	2008
Female Galapagos and California sea lion reproductive cycle determined by progesterone and estrogen concentration. Co-PI: Dr. Atkinson, University of Alaska Fairbanks, Alaska, USA.	2008
Diving behavior and physiological response to changes in ambient temperature of female California sea lions from Granito Island, Baja California, México. Co-PI: Dr. Costa, UCSC, Santa Cruz, CA, USA.	2005-2007
Diving behavior and physiological response to changes in ambient temperature of female Galapagos sea lions from Caamaño islet, Galapagos, Ecuador. Co-PI: Dr. Costa, UCSC, Santa Cruz, CA, USA.	2005-2006
Rescue, health status, genetics and diving physiology of Galapagos Pinnipeds. Co-PI: Charles Darwin Research Station, Galápagos, Ecuador; Marine Mammal Center, Santa Bárbara, USA; Dr. Aurioles-Gamboa, CICIMAR, IPN, La Paz, México; Dr. Costa, UCSC, Santa Cruz, CA, USA	2005
Trophic ecology, health status and diving physiology of the California sea lion at the Gulf of California, México. Co-PI: Dr. Aurioles-Gamboa, CICIMAR, IPN, La Paz, México	2004
Feeding habits of California sea lions and their interaction with fisheries at Magdalena and Margarita Bay, Mexico.	1999-2000

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Co-PI: Dr. Arenas Rosas, Instituto Ciencias del Mar, UNAM, Mexico DF.

Collaboration with research projects – Field work

Convergence of movement patterns of marine megafauna in coastal and open oceans 2015-2018

PI: Dr. Martins Sequeira and Dr. Thums; Australian Institute of Marine Science, Crawley, Australia

Health assessment of Guadalupe fur seals 2017

PI: Dr. Gallo-Reynoso, CIAD, Guaymas, Mexico.

Diving behavior and foraging ecology of female Northern elephant seals. 2017

PI: Dr. Costa, UCSC, Santa Cruz, CA, USA.

Foraging behavior of lactating vs. non-lactating Antarctic fur seals 2016-present

PI: Dr. Goebel and Renato Borras (phD student), NOAA, San Diego, USA

Foraging ecology of male Northern elephant seals. 2015-2016

PI: Dr. Costa and Sarah Kienle (phD student), UCSC, Santa Cruz, CA, USA.

Bioenergetics of bottlenose dolphins. 2015

PI: Dr. Wells, Mote Marine Laboratory, Sarasota, FL, USA; Dr. Costa, UCSC, Santa Cruz, CA, USA.

Body composition of Northern elephant seal females during the molt using the tritiated water method. 2013

PI: Dr. Schwarz and Dr. Costa. UCSC, Santa Cruz, CA, USA.

Ontogeny of diving behavior in Galapagos sea lions at Fernandina Island. 2009

PI: Dr. Trillmich and Jana Jeglinski (phD student), Bielefeld University, Bielefeld, Germany.

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Wedell and Crabeater seal foraging ecology and their use as oceanographic platforms at the Antarctic Peninsula. PI: United States Antarctic Program, Dr. Costa, UCSC, Santa Cruz, USA; Dr. Crocker, Sonoma State University, Sonoma, USA.	2007
Search and navigation strategies in the Northern elephant seal at San Benito Islands, México. PI: Dr. Costa and Dr. Robinson, UCSC, Santa Cruz, CA, USA; Dr. Gallo, CIAD, Guaymas, México	2006
Tagging of Pacific Predators. PI: Dr. Block, Hopkins Marine Station, Stanford University, USA; Dr. Steven Bograd, NOAA Southwest Fisheries Science Center, USA; Dr. Costa, UCSC, Santa Cruz, USA; Jane Stevens, TOPP.	2005-2009
Male California sea lion diving behavior and physiology at Monterey Bay. PI: Dr. Costa and Dr. Weise. UCSC, Santa Cruz, CA, USA.	2004-2005
Foraging ecology, diving behavior and physiology of Northern elephant seals at Año Nuevo State Reserve. PI: Dr. Costa. UCSC, Santa Cruz, CA, USA.	2003-2008
Diving physiology of Australian sea lions. PI: Dr.Costa and Dr.Fowler, UCSC, Santa Cruz, USA.	2002-2003
Food habits and diving physiology of male California sea lions at Monterey Bay. PI: Dr. Costa and Dr. Weise, UCSC, Santa Cruz, CA, USA.	2002-2003
Foraging ecology of sea otters at Piedras Blancas, California. PI: Dr. Estes and Dr. Tinker, USGS-UCSC, Santa Cruz, CA, USA.	2002-2003
Fish distribution at Magdalena Bay, México based on the elaboration of a bio-acoustic data base. PI: Dr. Arenas Rosas, Instituto de Ciencias del Mar, UNAM, México D.F.	2001
Zooplancton diversity in the Gulf of México. Oceanographic Campaign PROMEBIO-IV. PI: Dr. Flores Coto, Instituto de Ciencias del Mar, UNAM, México D.F.	2001

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Food habits and reproductive behavior of California sea lions at Magdalena and Margarita Islands, Baja California, México.

2000-2002

PI: Dr. Arenas Rosas, Instituto de Ciencias del Mar, UNAM, México D.F.

Management and conservation of loggerhead and green sea turtles

1999

Centro Ecológico de Akumal (CEA), Quintana Roo, México.

Publications

- 21) **Villegas-Amtmann S**, Schwarz L.K and Costa D.P (in prep.) The energetic cost of being a humpback whale and the consequence of losing energy to disturbance.
- 20) Borras-Chavez R, M Goebel, **S Villegas-Amtmann**, L Huckstadt, C Rivera, D.P. Costa, J.M Fariña & F Bozinovic (in prep.) The behavioural constraints of Lactation. Insights from a marine predator.
- 19) G.C. Hays, H Bailey, S.J. Bograd, W.D Bowen, C Campagna, R.H. Carmichael, O Casale, A Chiaradia, D.P. Costa, E Cuevas, P.J.N de Bruyn, M.P. Dias, C.M. Duarte, D.C. Dunn, P.H. Dutton, N Esteban, A Friedlaender, K.T. Goetz, B.J. Godley, P.N. Halpin, M Hamann, N Hammerschlag, R Harcourt, A-L Harrison, E.L. Hazen, M.R. Heupel, E Hoyt, N.E. Humphries, C.Y. Kot, J.S.E. Lea, H Marsh, S.M. Maxwell, C.R. McMahon, G. Notarbartolo di Sciara, D.M. Palacios, R.A. Phillips, D Righton, G Schofield, J.A. Seminoff, C.A. Simpfendorfer, D.W. Sims, A Takahashi, M.J. Tetley, M Thums, P.N. Trathan, **S Villegas-Amtmann**, R.S. Wells, S.D. Whiting, N.E. Wildermann, A.M.M. Sequeira (2019) Translating marine animal tracking data into conservation policy and management. Trends in Ecology and Evolution 34, 459-473. Doi: 10.1016/j.tree.2019.01.009
- 18) AMM Sequeira, JP Rodríguez, V Eguíluz, R Harcourt, M Hindell, DW Sims, CM Duarte, DP Costa, J Fernandez-Gracia, LC Ferreira, G Hays, M Heupel, MG Meekan, A Aven, F Bailleul, A Baylis, M Berumen, C Braun, MJ Caley, R Campbell, RH Carmichael, E Clua, L Einoder, SD Goldsworthy, C Guinet, J 7 Gunn, D. Hammer, N Hammerschlag, M Hammill, LA Hückstädt, NE Humphries, I Jonsen, G Skomal, M-A Lea, A Lowther, A Mackay, E McHuron, J Mckenzie, L McLeay, CR McMahon, K Mengersen, M Muelbert, AM Pagano, B Page, N Queiroz, P Robinson, SA Shaffer, M Shivji, S Thorrold, **S Villegas-Amtmann**, M Weise, R Wells, B Wetherbee, A Wiebkin, B Wienecke, M Thums. (2018) Convergence of movement patterns of marine megafauna in coastal and open oceans. PNAS doi 10.1073/pnas.1716137115

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- 17) Páez-Rosas D; **Villegas-Amtmann S** and Costa D.P (2017) Intraspecific variation in feeding strategies of Galapagos sea lions: a case of trophic specialization. PlosOne. <https://doi.org/10.1371/journal.pone.0185165>
- 16) **Villegas-Amtmann S**; Schwarz L.K and Costa D.P (2017) East or West: The energetic cost of being a gray whale and the consequence of losing energy to disturbance. Endangered Species Research 34:167-183.
- 15) **Villegas-Amtmann S** and Costa D.P (2017) The Galapagos sea lion (*Zalophus wollebaeki*) foraging ecology, diving physiology and reproductive behavior. In: Tropical Pinnipeds Bio-ecology, Threats and Conservation. Science Publishers. CRC Press/ Taylor & Francis Group.
- 14) **Villegas-Amtmann S**; McDonald B; Paez-Rosas D; Auriolles-Gamboa D and Costa D.P (2016) Adapted to change: Low energy requirements in a low and unpredictable productivity environment, the case of the Galapagos sea lion. Deep Sea Research Part II 140:94-104.
- 13) **Villegas-Amtmann S**; Schwarz L.K; Sumich J.L and Costa D.P. (2015). A bioenergetics model to evaluate demographic consequences of disturbance in marine mammals applied to gray whales. Ecosphere 6(10):183. <http://dx.doi.org/10.1890/ES15-00146.1>
- 12) Schwarz L.K; **Villegas-Amtmann S**; Beltran R.S; Costa D.P; Goetsch C; Huckstadt L; Maresh J.L and Peterson S.H. (2015). Comparisons and uncertainty in fat and adipose tissue estimation techniques: the northern elephant seal as a case study. PLoS ONE 10(6):e0131877. doi: 10.1371/journal.pone.0131877
- 11) **Villegas-Amtmann S**; Jeglinski J.E; Costa D.P; Robinson P and Trillmich F. (2013). Individual foraging strategies reveal niche overlap between endangered Galapagos pinnipeds. PLoS ONE 8(8): e70748. doi:10.1371/journal.pone.0070748
- 10) **Villegas-Amtmann S**; Atkinson S; Paras-Garcia A and Costa D.P (2012). Seasonal variation in blood and muscle oxygen stores attributed to diving behavior, environmental temperature and pregnancy in a marine predator. Comparative Biochemistry and Physiology Part A. 162:413-240.
- 9) Robinson P.W., Costa D.P., Crocker D., Gallo-Reynoso J.P., Champagne C., Fowler M., Goetsch C., Goetz K., Hassrick J., Huckstadt L.A., Kuhn C., Maresh J., Maxwell S.M., McDonald B., Peterson S., Simmons S.E., Teutschel N.M., **Villegas-Amtmann S.**, Yoda K. (2012). Foraging Behavior and Success of a Mesopelagic Predator in the Northeast Pacific

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Ocean: Insights from a Data-Rich Species, the Northern Elephant Seal. PLoS ONE 7(5): e36728. doi:10.1371/journal.pone.0036728

- 8) **Villegas-Amtmann S**, Simmons SE, Kuhn CE, Huckstadt LA, Costa DP (2011). Latitudinal Range Influences the Seasonal Variation in the Foraging Behavior of Marine Top Predators. PLoS ONE 6(8): e23166. doi:10.1371/journal.pone.0023166.
<http://dx.plos.org/10.1371/journal.pone.0023166>.
- 7) Alava J.J; Ross P.S; Ikonomou M.G; Cruz M; Jimenez-Uzcátegui G; Dubetz C; Salazar S; Costa D.P; **Villegas-Amtmann S**; Howorth P & Gobas F.A.P.C. (2011). DDT in endangered Galapagos sea lions (*Zalophus wollebaeki*). Marine Pollution Bulletin, 62 (4):660-671.
- 6) Alava J.J, Salazar S; Cruz M; Jimenez-Uzcátegui G; **Villegas-Amtmann S**; Paez-Rosas D; Costa D.P; Ross P.S; Ikonomou M.G; & Gobas F.A.P.C (2011). DDT strikes back: Galapagos sea lions face increasing health risks. AMBIO, 40 (4): 425-430.
- 5) Costa D.P; Robinson P.W; Arnould J.P.Y; Harrison A-L; Simmons S.E; Hassrick J.L; Hoskins A.J; Kirkman S.P; Oosthuizen H; **Villegas-Amtmann S** & Crocker D.E (2010). Accuracy of ARGOS Locations of Pinnipeds at-Sea Estimated Using Fastloc GPS. PLoS One 5(1): e8677. doi:10.1371/journal.pone.0008677
- 4) **Villegas-Amtmann S** and Costa D.P (2010). Oxygen stores plasticity linked to foraging behavior and pregnancy in a diving predator, the Galapagos sea lion. Functional Ecology, 24: 785-795.
- 3) **Villegas-Amtmann S**; Atkinson S and Costa D.P (2009). Low synchrony in the breeding cycle of Galapagos sea lions revealed by seasonal progesterone concentrations. Journal of Mammalogy, 90(5):1232-1237.
- 2) Robinson P.W., **Villegas-Amtmann S**, and Costa D.P (2009). Field Validation of an Inexpensive Time-Depth Recorder. Marine Mammal Science, 25(1): 199-205
- 1) **Villegas-Amtmann S**; Costa D.P; Tremblay Y; Salazar S and Aurioles-Gamboa D. (2008). Multiple foraging strategies in a marine apex predator, the Galapagos sea lion. Marine Ecology Progress Series, 363: 299-309.

Citations

Citations	595
h - index	11

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Thesis directed

Ecología alimentaria del lobo marino de Galápagos (*Zalophus wollebaeki*) 2006-2007 en el islote Caamaño.

Salazar, Diana (2007) Bachelor's thesis. Universidad Central del Ecuador, Ecuador.

Languages

Spanish (native)	100%
English	100%
Italian	80%
French	70%
German	20%

Funding

- Society for Marine Mammalogy Grants-in-Aid award	2017
- UCMEXUS-CONACYT Collaborative Grants	2016
- Shell and Exxon Mobil – Research grant to develop a western gray whale bioenergetics model to asses population consequences of disturbance.	2014-2015
- CONACYT – International postdoctoral fellowship.	2010-2012
- UCMEXUS - Dissertation Grant.	2006
- CRS (Center for Remote Sensing), UCSC - Graduate research funding.	2006
- Department of Ecology and Evolutionary Biology, UCSC - Summer Research Fellowship.	2005
- CONACYT-UCMEXUS – PhD fellowship.	2003–2008

Awards

Sistema Nacional de Investigadores Nivel 1 (Mexican National System of Researchers, Level 1)	2012-present
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Best PhD oral presentation 2007

“Diving Behavior and Physiological Plasticity in a Galapagos Sea Lion Population” 17th Biennial Conference on the Biology of Marine Mammals. Cape Town, South Africa.

Best PhD oral presentation 2006

“Comparison of the diving behavior and physiology of the California and Galapagos sea lion” 1st International Reunion of the Mexicana and Latin American Society for the study of Marine Mammals, Mérida, México.

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Oral presentations and posters at International Conferences

Oral presentations	15
Poster presentations	5

Select oral presentations

East or West: How much does it cost to be a gray whale? Villegas-Amtmann S, Schwarz L.K, Sumich J.L and Costa D.P. 21st Biennial Conference on the Biology of Marine Mammals, San Francisco, CA, USA.

The Galapagos sea lion (*Zalophus wollebaeki*) diving physiology, metabolic rate, foraging and reproductive behavior. Villegas-Amtmann S. and Costa D.P. Galapagos 2015: Science, Conservation, and History in the 180 Years Since Darwin, Symposium at the 96th Annual Meeting of the American Association for the Advancement of Science (AAAS), San Francisco, CA, USA.

Seasonal variation in oxygen stores attributed to diving behavior, environmental temperature and pregnancy in the California sea lion. Villegas-Amtmann S, Atkinson S, Parás A & Costa D.P. Society for Experimental Biology, Annual Main Meeting, Salzburg, Austria.

Foraging niche separation in Galapagos fur seals and sea lions. Villegas-Amtmann S, Jeglinski J.W.E, Trillmich, F & Costa D.P. 39th Symposium of the European Association of Aquatic Mammals, Barcelona, Spain.

Seasonal variation in the physiological ecology of Galapagos and California sea lions. Villegas-Amtmann S. Invited speaker, Department of Animal Behavior, Bielefeld University, Bielefeld, Germany.

Latitudinal range implications on sea lions response to environmental change. Villegas-Amtmann S; Auriolles-Gamboa D; Parás A; Casper D; Simmons S & Costa D.P. 18th Biennial Conference on the Biology of Marine Mammals, Quebec, Canada.

Respuesta del lobo marino de California (*Zalophus californianus*) a cambios ambientales. Villegas-Amtmann S & Costa D.P. Encuentro Nacional para la Conservación y el Desarrollo Sustentable de las Islas de México. Instituto Nacional de Ecología. Ensenada, México.

Diving behavior of California *Zalophus californianus* and Galapagos sea lions *Zalophus wollebaeki*, and population status implications. 2008

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Villegas-Amtmann, S, Auñoles-Gamboa, D & Costa, D.P. 3rd International Biologging Science Symposium. Pacific Grove, CA, EU.

- Sea lion physiological response to changes in environmental conditions.** 2008
Villegas-Amtmann, S; Parás, A; Godínez, C & Costa, D.P. XXXI Reunión Internacional para el estudio de los Mamíferos Marinos. Sociedad Mexicana para el estudio de los Mamíferos Marinos (SOMEMMA). Ensenada, México.
- Diving behavior and physiological plasticity in a Galapagos sea lion population.** 2007
Villegas-Amtmann, S; Auñoles-Gamboa, D; Salazar, S & Costa, D.P. 17th Biennial Conference on the Biology of Marine Mammals, Capetown, Sudáfrica.
- Comparisson of the diving behavior and physiology of the California sea lion *Zalophus californianus* and Galapagos sea lion *Zalophus wollebaeki*.** 2006
Villegas-Amtmann S & Costa D.P. 1st International Reunion of the Mexicana and Latin American Society for the study of Marine Mammals, SOMEMMA-SOLAMAC, Mérida, Yucatán; México.

Scientific reviews

Animal Conservation, Aquatic Conservation: Marine and Freshwater Ecosystems, CONACYT (National Council for Science and Technology in Mexico) Graduate fellowships committee, Conservation Physiology, Deep Sea Research, Diversity and Distributions, Ecography, Ecological Applications, Experimental Marine Biology, French Polar Institute, Frontiers in Marine Science, Journal of Experimental Biology, Marine Biology, Marine Ecology Progress Series, Marine Mammal Science, The Condor

Teaching appointments

- Female Physiology and Gynecology - UCSC** Spring 2019
Instructor, Molecular, Cell and Developmental Biology Department Spring 2018
- Human Physiology Lab – Cabrillo College** Spring 2019
Adjunct, Instructor, Natural and Applied Sciences, Biology Department Fall 2018
Spring 2018
- Behavioral Ecology – UCSC** Fall 2017
Instructor, Ecology and Evolutionary Biology Department
- Biology and Ecology of Marine Mammals – UCSC** Spring 2015
Instructor, Ecology and Evolutionary Biology Department

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Biology and Ecology of Marine Mammals - UCSC Summer 2009
Instructor, Ecology and Evolutionary Biology Department

Behavioral Ecology - UCSC Fall 2008
Teaching assistant, Ecology and Evolutionary Biology Department

Ecology and Biology of Marine Mammals – COSMOS Summer 2006
Teaching assistant, California State Summer School for Mathematics and Science (COSMOS)

Biology of Marine Mammals – UCSC Spring 2005-2006
Teaching assistant, Ecology and Evolutionary Biology Department

General Biology and Biology Lab. – Claudina Thevenet Highschool 1999-2002
Instructor, México DF.

Seminar talks (Outreach)

“**Research in Antarctica**” Tierra Pacifica Charter School, Santa Cruz, CA, USA 2017

“**Animal Energetics**” Invited Speaker, Physiological Ecology of Marine Animals, Moss Landing Marine Laboratories, Moss Landing, CA, USA. 2016

“**Galapagos pinnipeds**” Invited speaker, Biology and Ecology of Marine Mammals, UCSC. 2013

“**Foraging ecology of Galapagos pinnipeds**” Galapagos Institute for the Arts and Sciences, Universidad San Francisco de Quito and Parque Nacional Galápagos, San Cristóbal, Galápagos, Ecuador. 2012

“**Galapagos sea lion (*Zalophus wollebaeki*) seasonal diving behavior and physiology**” Estación Científica Charles Darwin y Parque Nacional Galápagos, Puerto Ayora, Galápagos, Ecuador. 2009

“**Tropical and Antarctic Pinnipeds**” Elementary school Tomás Moro, México DF, México. 2009

“**Áreas de alimentación y comportamiento de buceo del lobo marino**” 2009

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de Galápagos *Zalophus wollebaeki*" Parque Nacional Galápagos, San Cristóbal, Galápagos, Ecuador.

"Pinniped reproductive and breeding systems" Invited speaker, Biology and Ecology of Marine Mammals, UCSC. 2008

"Pinniped reproductive and social systems" Invited speaker, Biology and Ecology of Marine Mammals, UCSC. 2006

"Areas de alimentación y comportamiento de buceo del lobo marino de Galápagos en el islote Caamaño, Galápagos" Estación Científica Charles Darwin, Puerto Ayora, Galápagos, Ecuador. 2006

Scientific outreach

Blue and Fin Whale Expert Elicitation Workshop, Population Consequences of Disturbance Working Group and ONR. San Diego, CA, January. 2019

Adapted to Change by Stella Villegas-Amtmann. Galapagos Matters, Autumn/Winter 2016: 16-17 pp. Article contribution 2016

Galapagos sea lions in "Born to be Wild". Interview for the Nature documentary show "Born to be Wild" in Philippines 2016

Career-life Balance Workshop. 21st Biennial Conference on the Biology of Marine Mammals, San Francisco, CA, USA. Invited speaker 2015

Corre la Voz Program, after school mentoring program, Bay View Elementary, Santa Cruz, CA, USA 2014

Green Career Panel, El Pajaro Valley Highschool, Watsonville, CA, USA 2013

Lobos Marinos Anatomía y Patología English-Spanish translation of the web page: <http://shutterbug.ucsc.edu/lobosmarinos>. 2008-2010

Santa Cruz Highschool career panel, Santa Cruz Highschool, Santa Cruz, CA, USA. 2008

Other degrees/certifications

Scientific Teaching Workshop 2018

SEPAL (The Science Education Partnership & Assessment Laboratory)
San Francisco State University

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Wilderness First Aid Course	2017,
NOLS Wilderness Medicine	2019
 First Aid and CPR/AED	
Long Marine Lab, University of California Santa Cruz, Santa Cruz, CA, USA	2008
 Small Boats Operation	
University of California Santa Cruz, Santa Cruz, CA, USA	2006
 Sailing, basic keel boat sailing	
American Sailing Association, Santa Cruz, CA, USA	2005
 Sailing, beginner	
University of California Santa Cruz, Santa Cruz, CA, USA	2004
 Natural History Illustration Diploma	
Universidad Nacional Autónoma de México, México DF, México	2001
Instructor: Aldi de Oyarzabal.	
 Mountaineering and Exploration Techniques	1999
Mountaineering and Exploration Association, UNAM, Mexico	
 Open Water Diver (PADI)	1997
Photography Diploma , Scuola di Art E, Firenze, Italy.	1996

Stella